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program means for causing said computer functioning as said work processing unit to output the result of each of said plurality of kinds work processing in a predetermined display form in accordance with said display arrangement instruction.

REMARKS

The specification has been amended to claim priority of copending Serial No. 09/065,0054 of which this is a continuation.

The specification has also been amended to correct grammatical and/or punctuation errors. No new matter has been introduced.

The claims have been amended to more clearly describe the invention claimed. Attached hereto is a marked-up version of the changes made to the specification and claims.

In the parent application, various claims were rejected under 35 USC 112. It is respectfully submitted that the current claims obviate these rejections. Regarding claaims 12 and 14, it is submitted that the specification at page 10 indicates examples of sensors that input data in an analog form, such as a nose sensor or a gas sensor.

In the parent application, the claims were also rejected under 35 USC 103 over US Pat. 5,940,089 (Dilliplane et al) in view of US Pat. 5,796,403 (Adams et al). It is submitted that neither of the applied references disclose or suggest the claimed representation mode detector unit or that the work processing unit outputs information display instructions of a representation mode in accordance with the matched display arrangement rule.

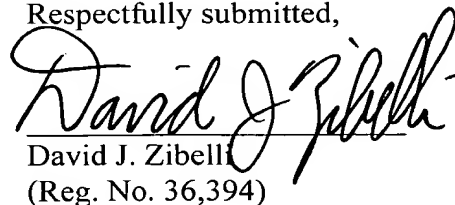
The Examiner is invited to call the undersigned at (202) 220-4200 to discuss any information concerning this application.

The Office is hereby authorized to charge any additional fees under 37 C.F.R. § 1.16 or § 1.17 or credit any overpayment to Deposit Account No. 11-0600.

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KENYON & KENYON
1500 K Street, N.W., Suite 700
Washington, D.C. 20005-1257
Tel: (202) 220-4200
Fax: (202) 220-4201

Respectfully submitted,


David J. Zibelli
(Reg. No. 36,394)

APPENDIX

Before the first line on page 1, the following has been inserted:

-- This is a continuation of application Serial No. 09/065,005 filed 22 June 1998 --

The claims have been amended as follows:

1. (Amended) An information display apparatus including a sensor input unit inputting sensor data, a character[/] and/or coordinate input unit for inputting characters and/or coordinates, a work processing unit executing a plurality of kinds of work processing and outputting results of the work processing based on [respective] the sensor data input[ted] from [said sensor input unit and] the work processing unit and selection of information to be displayed on a display screen by said character[/] and/or coordinate input unit as screen displaying information, and a display unit having the display screen and displaying the screen displaying information which is the[results] result of the plurality of kinds of work processing [outputted] output from said work processing unit, said information display apparatus comprising:

a [display form] representation mode detector unit detecting [display form] representation mode data [for] of information displayed on said display [unit] screen;

arrangement rule storing means for storing an arrangement rule defining [display form] an optimal representation mode corresponding to each of said plurality of kinds of work processing; and

a display arrangement rule control unit coupled to said [display form] representation mode detector unit and said arrangement rule storing means and comparing current [display form] representation mode data detected with the arrangement rules stored in said arrangement rule storing means for each work to output a [predetermined] matched display arrangement [instruction] rule, and

in response to the output from said display arrangement control unit, said work processing unit outputting [the result of each of said plurality of kinds of work processing in a predetermined] information display instructions of [display form] a representation mode in accordance with said matched display arrangement [instruction] rule to said display unit.

2. (Amended) An information display apparatus according to claim 1, wherein said [display form] representation mode data detected in said [display form] representation mode detector unit is a display resolution, and the arrangement rule stored in said arrangement rule storing means comprises display areas set in accordance with the display resolution and display formats.

3. (Amended) An information display apparatus according to claim 1, wherein said [display form] representation mode data detected in said representation mode [display form] detector unit is the number of display colors, and the arrangement rule stored in said arrangement rule storing means comprises the [numbers] number of display colors and display formats.

4. (Amended) An information display apparatus according to claim 1, wherein said [display form] representation mode data detected in said [display form] representation mode detector unit is a drawing speed, and the arrangement rule stored in said arrangement rule storing means comprises drawing speeds and display formats.

5. (Amended) An information display apparatus comprising a sensor input unit for inputting sensor data, a character[/] and/or coordinate input unit for inputting characters and/or coordinates, a work processing unit for executing a plurality of kinds of work processing and outputting results of the work processing based on [respective] the sensor data input[ted] from said sensor input unit and said character[/] and/or coordinate input unit, and a display unit having a display screen for displaying the screen displaying information which is the results of the plurality of kinds of work processing [outputted] output from said work processing unit, said information display apparatus further comprising:

arrangement rule storing means for storing an arrangement rule defining [display forms] an optimal representation mode corresponding to each of said plurality of kinds of work processing; and

a display arrangement rule control unit for comparing work processing data [detected] output by said work processing unit with the arrangement rule stored in said arrangement rule storing means for each work to output a [predetermined] matched display arrangement [instruction] rule, and

in response to the output from said display arrangement control unit, said work processing unit outputting [the result of each of said plurality of kinds of work processing in a predetermined display form] information display instructions of a representation mode in accordance with said matched display arrangement [instruction] rule to said display unit.

6. An information display apparatus according to claim 5, wherein said work processing data detected in said work processing unit is a computation speed, and the arrangement rule stored in said arrangement rule storing means comprises computation speeds and display formats.

7. (Amended) An information display apparatus according to claim 5, wherein said work processing data detected in said work processing unit is the number or works, and the arrangement rule stored in said arrangement rule storing means comprises the [numbers] number of works and display formats.

8. An information display apparatus according to claim 5, wherein said work processing data detected in said work processing unit is a work load, and the arrangement rule stored in said arrangement rule storing means comprises work loads and display formats.

9. An information display apparatus according to claim 5, wherein said work processing data detected in said work processing unit is work priority, and the arrangement rule stored in said arrangement rule storing means comprises work priority levels and display formats.

10. (Amended) An information display apparatus adapted to receive sensor data and character and/or coordinate data, and to execute a plurality of kinds of work processing based on [respective inputted] said received data, and [display] displaying results of execution on a display unit, wherein said information display apparatus detects a display format of said information display apparatus itself, converts each of the input[ted] data in accordance with a detected display form, and outputs converted data.

11. (Amended) An information display apparatus according to claim 10, wherein said display form is a resolution of a display unit of said information display apparatus.

12. (Amended) An information apparatus display according to claim 11, wherein each of said [inputted] input data is analog data, and said analog data is converted to digital data and [outputted] output when the resolution of the display unit of said information display apparatus is detected to be equal to or lower than a threshold value.

13. (Amended) An information display apparatus according to claim 10, wherein said display form is a display area of the display unit of said information display apparatus.

14. (Amended) An information display apparatus according to claim 11, wherein each of said [inputted] input data is analog data, and said analog data is converted to digital data and [outputted] output when the display area of the display unit of said information display apparatus is detected to be equal to or lower than a threshold value.

15. (Amended) A method of operating an information display apparatus comprising a sensor input unit inputting sensor data, a character[/] and/or coordinate input unit inputting characters and coordinates, a work processing unit executing a plurality of kinds of work processing and outputting results of the work processing based on respective data [inputted] input from said sensor input unit and said character[/] and/or coordinate input unit, and a display unit displaying the results of the plurality of kinds of work processing [outputted] output from said work processing unit, comprising the steps of:

detecting display form data for a said display unit by a display form detector unit;
storing an arrangement rule defining display forms corresponding to each of said plurality of kinds of work processing in storage unit;

comparing display form data detected by said display form detector unit with the arrangement rule stored in said storage unit for each work by a display arrangement control unit to output a predetermined display arrangement instruction; and

outputting the result of each of said plurality of kinds of work processing in a predetermined display form in accordance with said display arrangement instruction in said work processing unit.

16. (Amended) A computer-readable recording medium for storing a program for causing a computer to operate an information display apparatus comprising a sensor input unit inputting sensor data, a character/coordinate input unit inputting characters and coordinates, a work processing unit executing a plurality of kinds of work processing and outputting results of the work processing based on respective data [inputted] input from said sensor input unit and said character/coordinate input unit, and a display unit displaying the results of the plurality of kinds of work processing [outputted] output from said work processing unit, said program comprising:

program means for causing said computer to detect display form data for said display unit;

program means for causing said computer to store an arrangement rule defining display forms corresponding to each of said plurality of kinds of work processing;

program means for causing said computer to compare said detected display form data with said stored arrangement rule for each work to output a predetermined display arrangement instruction; and

program means for causing said computer functioning as said work processing unit to output the result of each of said plurality of kinds work processing in a predetermined display form in accordance with said display arrangement instruction.